

# SMALL ENTITY DECLARATION



APPLICANT OR PATENTEE Bioxid Oy

SERIAL NO. 09/446,630 ☐ PATENT NO. \_\_\_\_\_ DOCKET NO. TUR-087

(Check one

of blocks

1 or 2)

1. ☒ FILED OR ISSUED December 23, 1999

2. ☐ SUBMITTED HEREWITH \_\_\_\_\_

FOR Novel plastic based composite and its use

(Insert Title)

I(we) hereby declare that I(we) am(are) entitled to the benefit of small entity status with respect to the above-identified application or patent for purposes of paying reduced fees under 35 USC 41(a) & (b) to the U.S. Patent and Trademark Office.



A. INDEPENDENT INVENTOR

I(we) qualify as (an) independent inventor(s) as defined in 37 CFR 1.9(c).



B. INDIVIDUAL NON-INVENTOR

I would qualify as an independent inventor as defined in 37 CFR 1.9(c) if I had made the invention.



C. SMALL BUSINESS CONCERN

I am ☐ THE OWNER ☒ AN OFFICIAL of the small business concern identified below and am empowered to act on behalf of the concern. The concern qualifies under 37 CFR 1.9(d) and 13 CFR 121.1301-1305. Rights under contract or law have been conveyed to and remain with the concern and are exclusive unless a checkmark is placed here ☐. All other rights belong to small entities as defined in 37 CFR 1.9.



D. NON-PROFIT ORGANIZATION

I am an official am empowered to act on behalf of the non-profit organization identified below. The organization qualifies under 37 CFR 1.9(e), sub section: ☐ (1) ☐ (2) ☐ (3) ☐ (4). Rights under contract or law have been conveyed to and remain with the organization and are exclusive unless a checkmark is placed here ☐. All other rights belong to small entities as defined in 37 CFR 1.9.

I(we) acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I(we) declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

A. INDEPENDENT INVENTOR(S)

B. INDIVIDUAL NON-INVENTORS

Name

Signature

Date

Name

Signature

Date

Name

Signature

Date

C. BUSINESS CONCERN

D. NON-PROFIT ORGANIZATION

Bioxid Oy

Köydenpunojankatu 2 B 5, FIN-20300 Turku,

Name of Concern or Organization

Address Finland

Name of Person Signing

Harry Jalonon

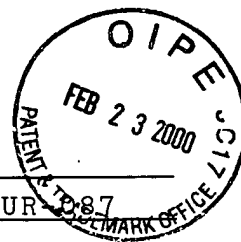
Title

Chairman

Date

21.1.2000

# SMALL ENTITY DECLARATION



APPLICANT OR PATENTEE JVS-Polymers Oy

SERIAL NO. 09/446,630 ☐ PATENT NO. \_\_\_\_\_ DOCKET NO. TUR-087

(Check one  
of blocks  
1 or 2)

1. ☒ FILED OR ISSUED December 23, 1999  
2. ☐ SUBMITTED HEREWITH \_\_\_\_\_  
FOR Novel plastic based composite and its use  
(Insert Title)

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- ☐ A. INDEPENDENT INVENTOR  
I(we) qualify as (an) independent inventor(s) as defined in 37 CFR 1.9(c).
- ☐ B. INDIVIDUAL NON-INVENTOR  
I would qualify as an independent inventor as defined in 37 CFR 1.9(c) if I had made the invention.

- ☒ C. SMALL BUSINESS CONCERN  
I am ☐ THE OWNER ☒ AN OFFICIAL of the small business concern identified below and am empowered to act on behalf of the concern. The concern qualifies under 37 CFR 1.9(d) and 13 CFR 121.1301-1305. Rights under contract or law have been conveyed to and remain with the concern and are exclusive unless a checkmark is placed here ☐. All other rights belong to small entities as defined in 37 CFR 1.9.

- ☐ D. NON-PROFIT ORGANIZATION  
I am an official am empowered to act on behalf of the non-profit organization identified below. The organization qualifies under 37 CFR 1.9(e), sub section: ☐ (1) ☐ (2) ☐ (3) ☐ (4). Rights under contract or law have been conveyed to and remain with the organization and are exclusive unless a checkmark is placed here ☐. All other rights belong to small entities as defined in 37 CFR 1.9.

I(we) acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I(we) declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

A. INDEPENDENT INVENTOR(S)

B. INDIVIDUAL NON-INVENTORS

Name _____	Signature _____	Date _____
Name _____	Signature _____	Date _____
Name _____	Signature _____	Date _____

C. BUSINESS CONCERN

D. NON-PROFIT ORGANIZATION

JVS-Polymers Oy  
Name of Concern or Organization

Mäkipellontie 18 C, FIN-00320 Helsinki,  
Address Finland

Jukka Seppälä  
Name of Person Signing

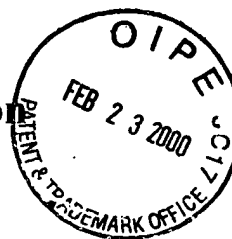
Jukka Seppälä  
Signature

Title

Date

Chairman of the board

29.11.1999

**Declaration For U.S. Patent Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (INSERT TITLE) NOVEL PLASTIC BASED COMPOSITE AND ITS USE

the specification of which

(Check one of  
1, 2, or 3.)

1. ☐ is attached hereto.
2. ☒ was filed on 6 July 1998 as  
International PCT Application Serial No. PCT/FI98/00572  
and was amended on 23 December 1999  
(if applicable)
3. ☐ was filed on \_\_\_\_\_ as  
U.S. Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application for which priority is claimed:

(List prior  
foreign  
applications.)

<u>972890</u>	<u>Finland</u>	<u>8/7/97</u>
(Number)	(Country)	(Day/Month/Year Filed)
_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)

Priority Claimed  
XX Yes ☐ No  
☐ Yes ☐ No

☐ See attached list for additional prior foreign applications

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
--------------------------	---------------	----------

I hereby appoint as principal attorney James C. Lydon, Reg. No. 30,082 and Kevin C. Brown, Reg. No. 32,402.

Please direct all communications to the following address: James C. Lydon  
Lydon & Brown, LLP  
100 Daingerfield Road, Suite 100  
Alexandria, Virginia 22314  
Telephone: (703) 838-0445  
Facsimile: (703) 838-0447

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole inventor: Allan AHO

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Yliopistonkatu 1 A 9, FIN-20100 Turku, Finland

Citizenship: Finnish

Post Office Address: same as residence

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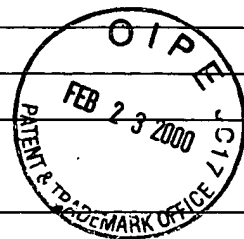
Full name of second inventor: Jukka SEPPÄLÄ

Inventor's Signature: *Jukka Seppälä* Date: 09-Feb-2000

Residence: Mäkipellontie 18 C, FIN-00320 Helsinki, Finland

Citizenship: Finnish

Post Office Address: same as residence



Full name of third inventor: Antti YLI-URPO

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Värttinäkatu 17, FIN-20660 Littoinen, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of fourth inventor: Jouni HEIKKILÄ

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Vitanovantie 39, FIN-20900 Turku, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of fifth inventor: Ilkka KANGASNIEMI

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Köydenpunojankatu 2 B 5, FIN-20300 Turku, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of sixth inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of seventh inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of eighth inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

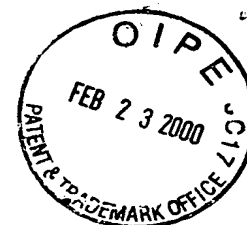
Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Docket No. TUR-087

# Declaration For U.S. Patent Application



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (INSERT TITLE) \_\_\_\_\_

Novel plastic based composite and its use

the specification of which

(Check one of  
1, 2, or 3.)

1. ☐ is attached hereto.
2. ☒ was filed on 6 July 1998 as  
International PCT Application Serial No. PCT/FI98/00572  
and was amended on 23 December 1999  
(if applicable)
3. ☐ was filed on \_\_\_\_\_ as  
U.S. Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application for which priority is claimed:

(List prior foreign applications.)	<u>972890</u>	<u>Finland</u>	<u>08/07/97</u>	Priority Claimed
	(Number)	(Country)	(Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	____	____	____	<input type="checkbox"/> Yes <input type="checkbox"/> No
	(Number)	(Country)	(Day/Month/Year Filed)	

☐ See attached list for additional prior foreign applications

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
--------------------------	---------------	----------

I hereby appoint as principal attorneys James C. Lydon, Reg. No. 30,082 and Kevin C. Brown, Reg. No. 32,402.

Please direct all communications to the following address: James C. Lydon  
Lydon & Brown, LLP  
100 Daingerfield Road  
Suite 100  
Alexandria, VA 22314  
Telephone: (703) 838-0445  
Facsimile: (703) 838-0447

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole inventor: AHO, Allan

Inventor's Signature: Allan Aho

Date: 24.1.2000

Residence: Yliopistonkatu 1 A 9, FIN-20100 Turku, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of second inventor: PAALA, Jukka

Inventor's Signature: [Signature]

Residence: Mäkipellontie 18 C, FIN-00320 Helsinki, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of third inventor: YLI-URPO, Antti

Inventor's Signature: [Signature]

Residence: Värttinäkatu 17, FIN-20660 Littainen, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of fourth inventor: HEIKKILÄ, Jouni

Inventor's Signature: [Signature]

Residence: Vitanovantie 39, FIN-20900 Turku, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of fifth inventor: KANGASNIEMI, Ilkka

Inventor's Signature: [Signature]

Residence: Köydenpunojankatu 2 B 5, FIN-20300 Turku, Finland

Citizenship: Finnish

Post Office Address: same as residence

Full name of sixth inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: same as residence

Full name of seventh inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: same as residence

Full name of eighth inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: same as residence



Date: 29.11.1999

Date: 21.1.2000

Date: 21.1.2000

Date: 21.1.2000

Printed name of inventor: Jukka Paala, Antti Yli-Urpo, Jouni Heikkilä, Ilkka Kangasniemi

COPY

LYDON & BROWN L.P.

Docket No. TUR-087

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's  
Name(s) & Address(es))

<u>Bioxid Oy</u>	and	<u>JVS Polymers Oy</u>
<u>Köydenpunojankatu 2 B 5</u>		<u>Mäkipellontie 18 C</u>
<u>FIN-20300 Turku</u>		<u>FIN-00320 Helsinki</u>
<u>Finland</u>		<u>Finland</u>

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

NOVEL PLASTIC BASED COMPOSITE AND ITS USE

(\*If the assignment is  
being filed after the filing  
of the application, this  
section must be  
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on December 23, 1999, Serial No. 09/446,630,

(Lydon & Brown, L.L.P. is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained thereof on said application or any continuation, divisional, substitute or reissue applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, substitute or reissue applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, reexamination, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional or substitute thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, reexamination, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>(SIGNATURE)</u>	<u>Allan AHO</u>	<u>(DATE)</u>
<u>(SIGNATURE)</u>	<u>Jukka SEPPÄLÄ</u>	<u>09-Feb-2000</u>
<u>(SIGNATURE)</u>	<u>Antti YLI-URPO</u>	<u>(DATE)</u>
<u>(SIGNATURE)</u>	<u>Jouni HEIKKILÄ</u>	<u>(DATE)</u>
<u>(SIGNATURE)</u>	<u>Iikka KANGASNIEMI</u>	<u>(DATE)</u>
<u>(SIGNATURE)</u>	<u>(TYPE NAME)</u>	<u>(DATE)</u>

NO LEGALIZATION REQUIRED

COPY

LYDON &amp; BROWN, L.L.P.

Docket No. TUR-087

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(Insert ASSIGNEE's  
Name(s) & Address(es))

<u>Bioxid Oy</u>	and	<u>JVS-Polymers Oy</u>
<u>Köydenpunojankatu 2 B 5</u>		<u>Mäkipellontie 18 C</u>
<u>FIN-20300 Turku</u>		<u>FIN-00320 Helsinki</u>
<u>Finland</u>		<u>Finland</u>

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

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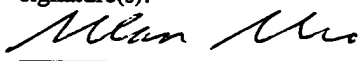


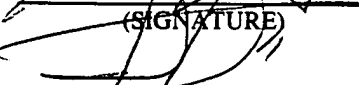

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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

	<u>Allan AHO</u>	<u>24.1.2000</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
	<u>Jukka SEPPÄLÄ</u>	<u>29.11.1999</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
	<u>Antti YLI-URPO</u>	<u>21.1.2000</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
	<u>Jouni HEIKKILÄ</u>	<u>21.1.2000</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
	<u>Ilkka KANGASNIEMI</u>	<u>24.1.2000</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
_____	_____	_____
(SIGNATURE)	(TYPE NAME)	(DATE)

NO LEGALIZATION REQUIRED